

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY123019\
 Data File : VY001121.D
 Acq On : 30 Dec 2019 13:33
 Operator : SY/MD
 Sample : K6462-01
 Misc : 5.09G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 K500-1

Manual Integrations
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 12/31/2019 11:48:10 AM

Quant Time: Dec 31 06:09:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	236868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	439258	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	217389	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.41	152	74575	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	114824	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
35) Dibromofluoromethane	7.74	113	125605	48.56	ug/l	0.01
Spiked Amount	50.000		Recovery	=	97.12%	
50) Toluene-d8	10.19	98	1397471	138.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	276.50%	
62) 4-Bromofluorobenzene	12.49	95	529090	143.16	ug/l	0.01
Spiked Amount	50.000		Recovery	=	286.32%	
Target Compounds						
					Qvalue	
16) Acetone	3.96	43	9640	17.912	ug/l #	79
20) Methylene Chloride	4.72	84	16233	5.124	ug/l	87
31) Cyclohexane	7.79	56	281059	54.130	ug/l	93
39) Methylcyclohexane	9.19	83	5977542	1074.170	ug/l	99
52) Toluene	10.25	92	814277	104.648	ug/l	98
67) Ethyl Benzene	11.61	91	9164001	1129.854	ug/l	99
68) m/p-Xylenes	11.72	106	24879256	8078.640	ug/l #	1
69) o-Xylene	12.05	106	18561759	6406.737	ug/l #	1
73) Isopropylbenzene	12.35	105	3610085	625.561	ug/l	100
78) n-propylbenzene	12.69	91	8446747	1201.202	ug/l	98
80) 1,3,5-Trimethylbenzene	12.83	105	15954780	3372.807	ug/l	87
83) tert-Butylbenzene	13.09	119	93395m	23.520	ug/l	
84) 1,2,4-Trimethylbenzene	13.12	105	24651332m	5185.903	ug/l	
85) sec-Butylbenzene	13.26	105	3372710	576.140	ug/l #	76
86) p-Isopropyltoluene	13.38	119	1388284	274.073	ug/l	96
89) n-Butylbenzene	13.70	91	1720506	337.598	ug/l #	79
95) Naphthalene	15.23	128	125603	34.411	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

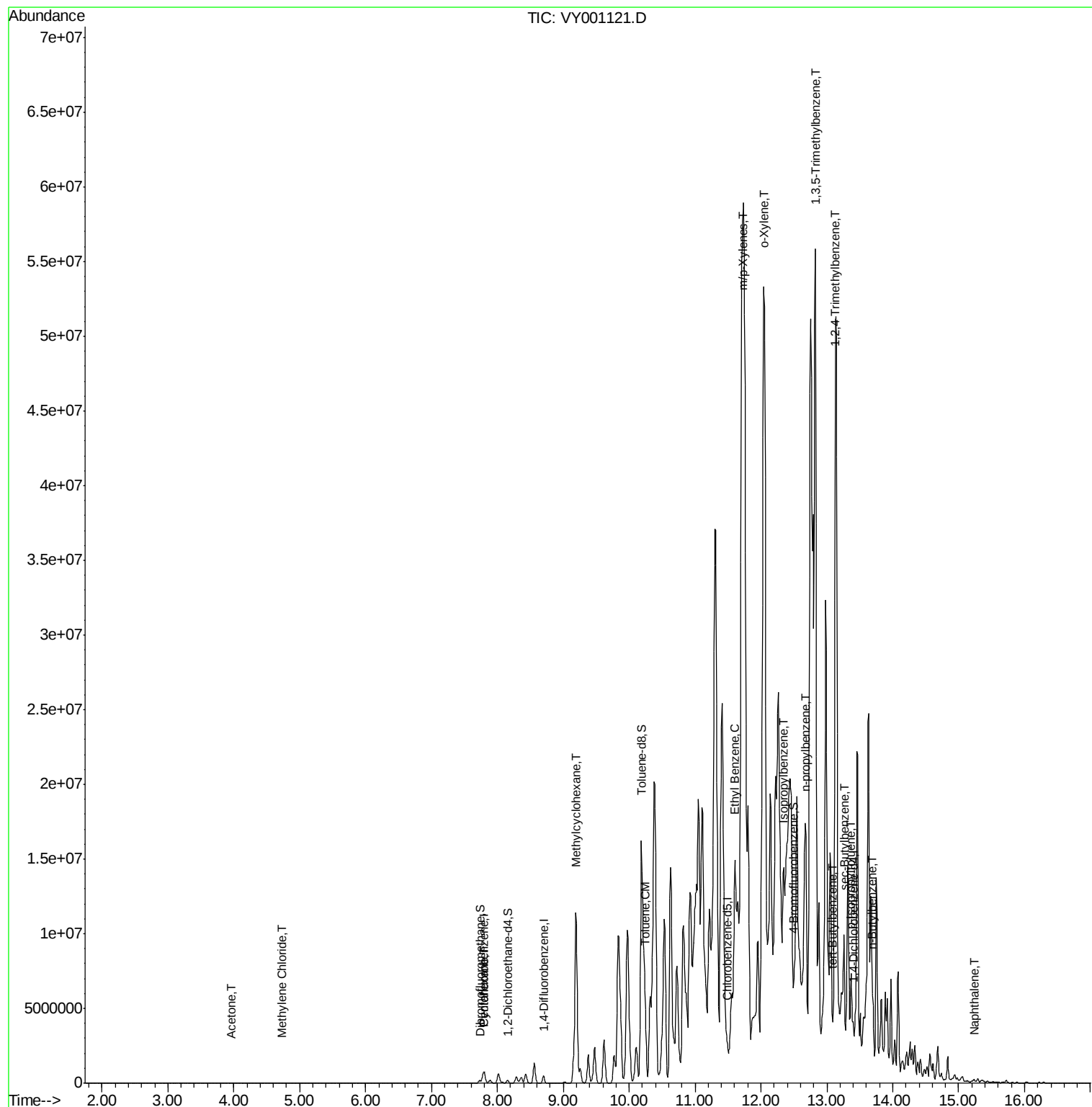
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY123019\
Data File : VY001121.D
Acq On : 30 Dec 2019 13:33
Operator : SY/MD
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Misc : 5.09G/5ML/MSVOA Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

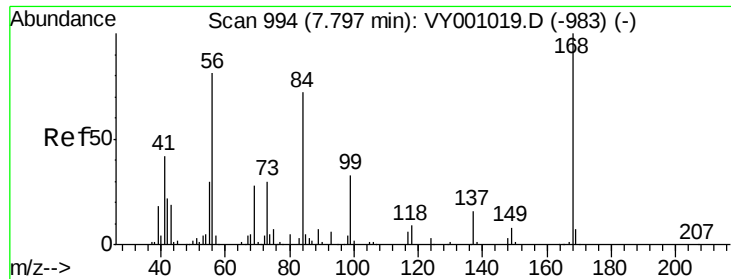
Instrument :
MSVOA_Y
ClientSampleId :
K500-1

Manual Integrations
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Quant Time: Dec 31 06:09:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 12:07:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001121.D

Acq: 30 Dec 2019 13:33

Instrument :

MSVOA_Y

ClientSampleId :

K500-1

Tot Ion:168 Resp: 236868

Ion Ratio Lower Upper

168 100

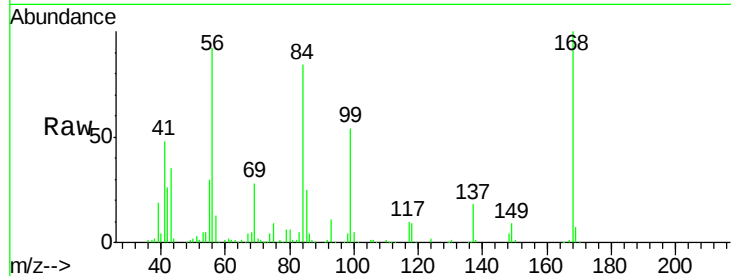
99 54.5 44.0 66.0

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Abundance Ion 167.90 (167.60 to 168.60): VY001019.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001019.D (-983) (-)

7.80

100000

80000

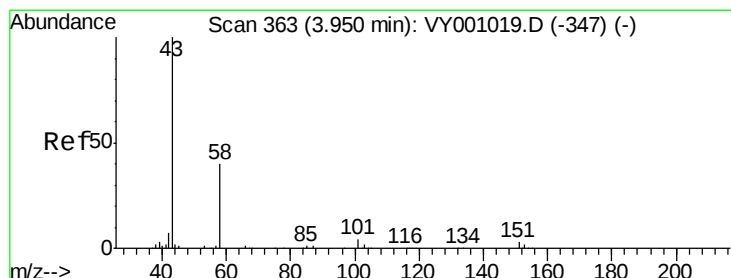
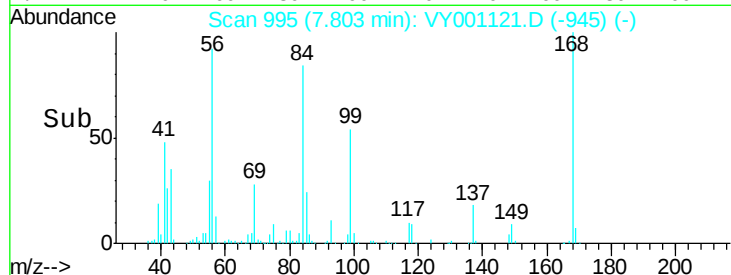
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 17.912 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY001121.D

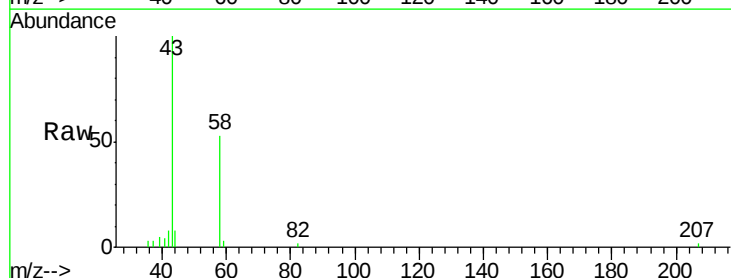
Acq: 30 Dec 2019 13:33

Tgt Ion: 43 Resp: 9640

Ion Ratio Lower Upper

43 100

58 53.2 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VY001019.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY001019.D (-347) (-)

3.96

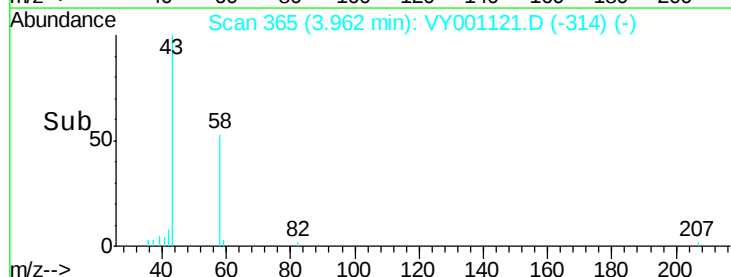
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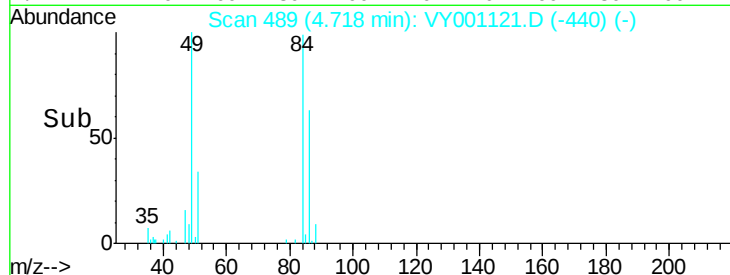
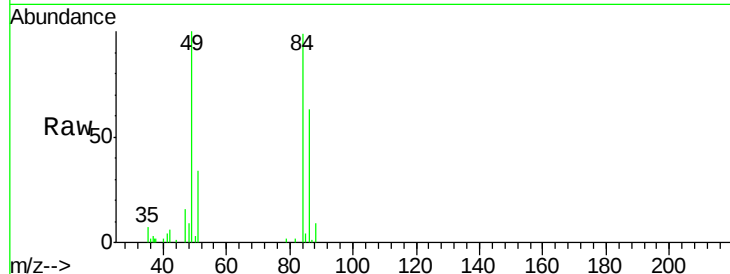
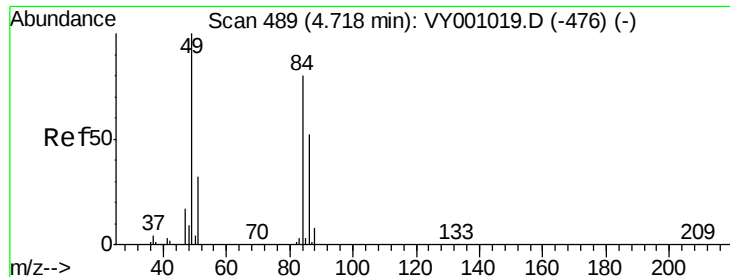
2000

1000

0

Time-->





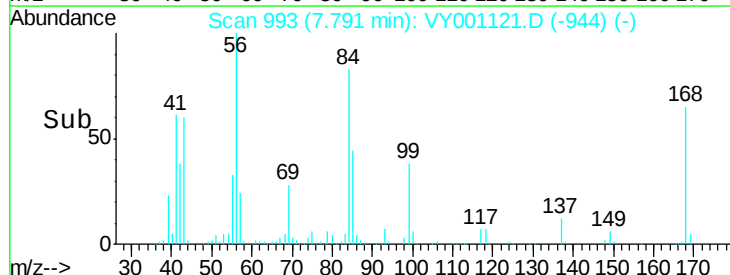
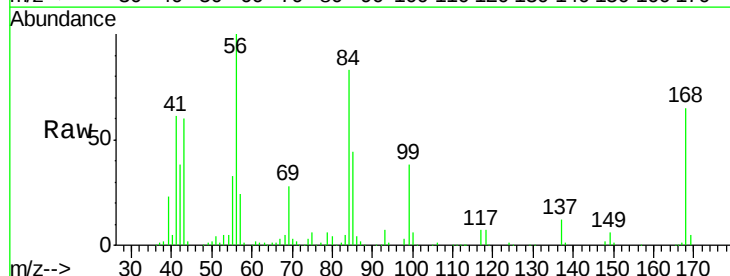
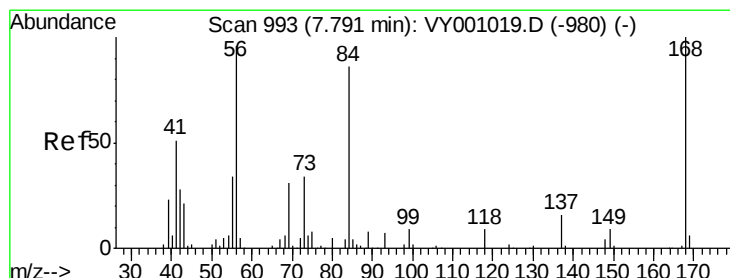
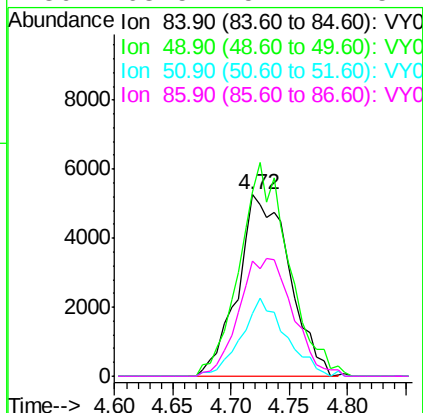
#20
Methylene Chloride
Concen: 5.124 ug/l
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY001121.D
Acq: 30 Dec 2019 13:33

Tot Ion	84	Resp	16233
Ion Ratio	Lower	Upper	
84	100		
49	101.2	99.8	149.6
51	34.9	31.4	47.2
86	63.5	52.2	78.2

Instrument :
MSVOA_Y
ClientSampled :
K500-1

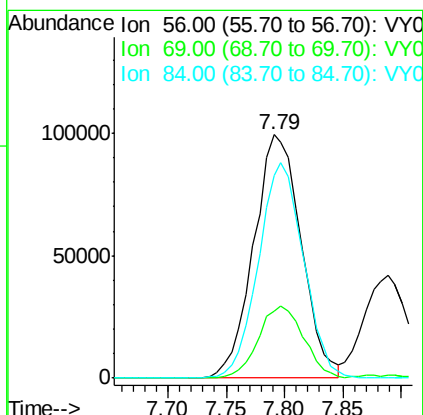
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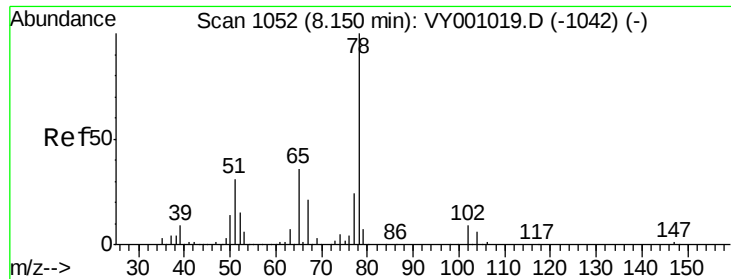
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#31
Cyclohexane
Concen: 54.130 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY001121.D
Acq: 30 Dec 2019 13:33

Tgt Ion	56	Resp	281059
Ion Ratio	Lower	Upper	
56	100		
69	27.7	26.1	39.1
84	83.4	71.8	107.8





#33

1,2-Dichloroethane-d4

Concen: 49.150 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VY001121.D

Acq: 30 Dec 2019 13:33

Instrument :

MSVOA_Y

ClientSampleId :

K500-1

Tot Ion: 65 Resp: 114824

Ion Ratio Lower Upper

65 100

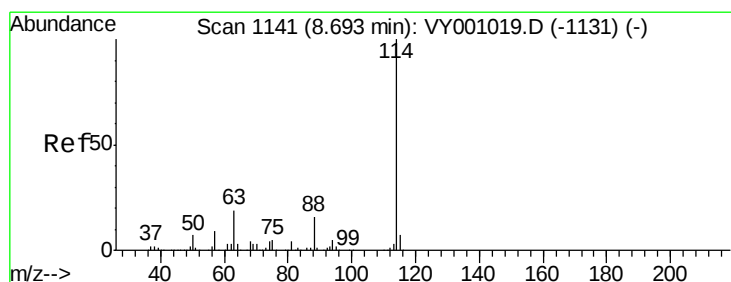
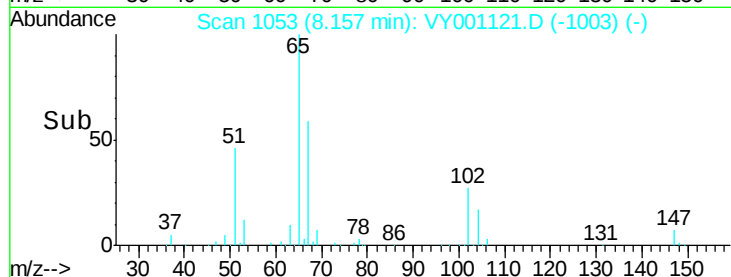
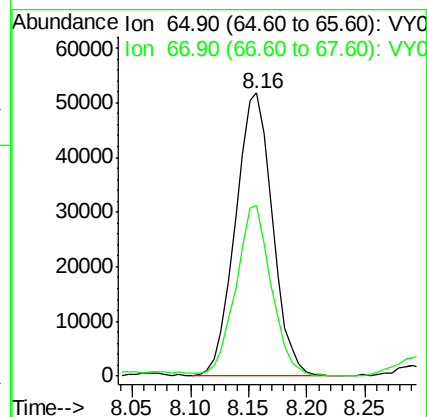
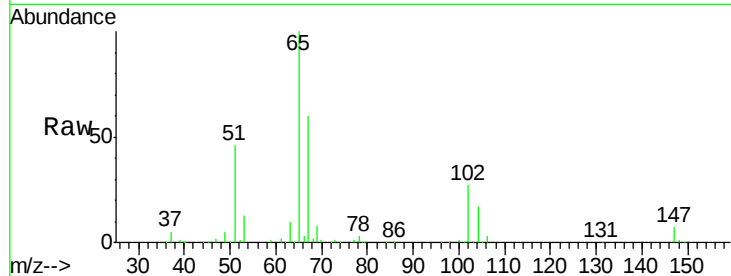
67 57.8 0.0 112.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VY001121.D

Acq: 30 Dec 2019 13:33

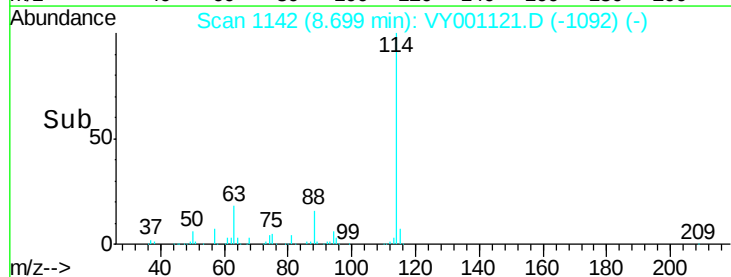
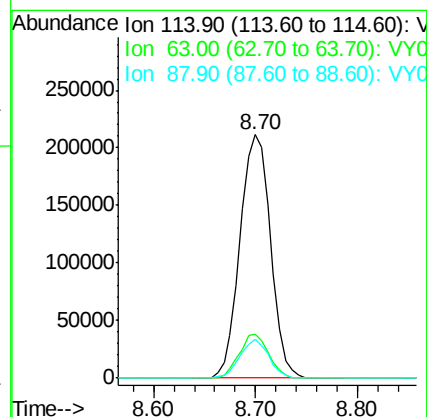
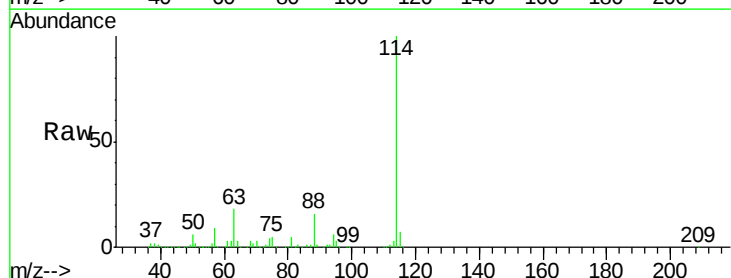
Tgt Ion: 114 Resp: 439258

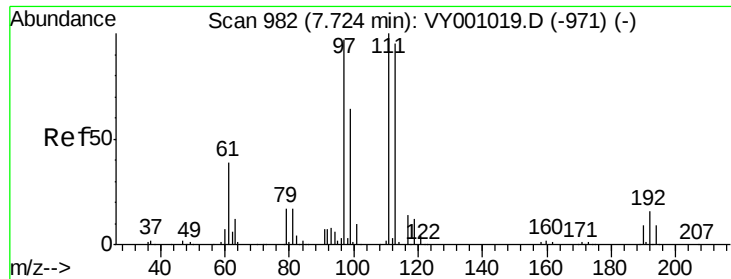
Ion Ratio Lower Upper

114 100

63 18.2 0.0 37.0

88 15.8 0.0 32.0





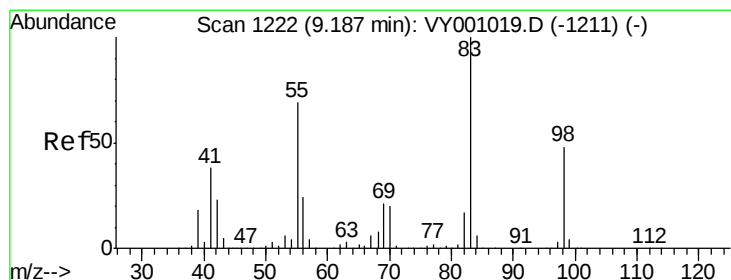
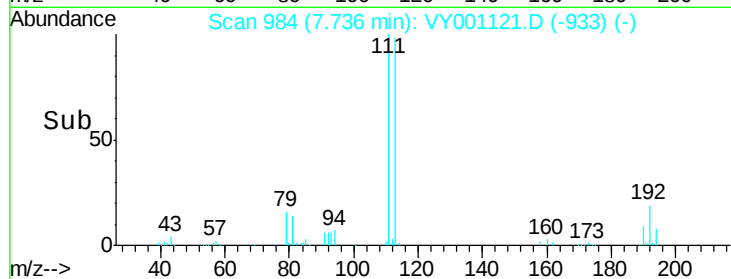
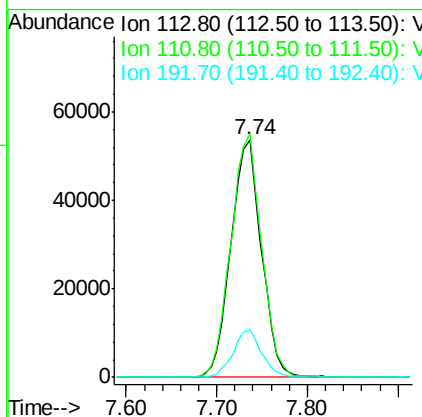
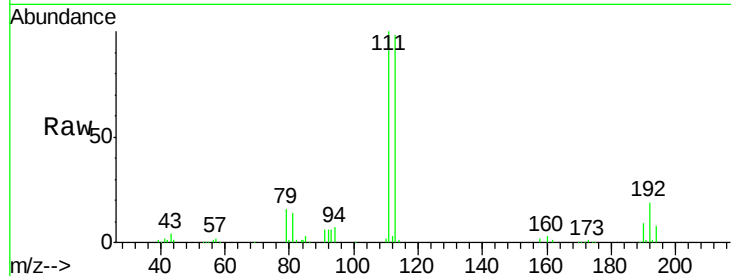
#35
Dibromofluoromethane
Concen: 48.560 ug/l
RT: 7.74 min Scan# 984
Delta R.T. 0.01 min
Lab File: VY001121.D
Acq: 30 Dec 2019 13:33

Instrument :
MSVOA_Y
ClientSampled :
K500-1

Tot Ion	Ratio	Resp	Lower	Upper
113	100	125605		
111	103.5	83.0	124.4	
192	18.8	14.6	21.8	

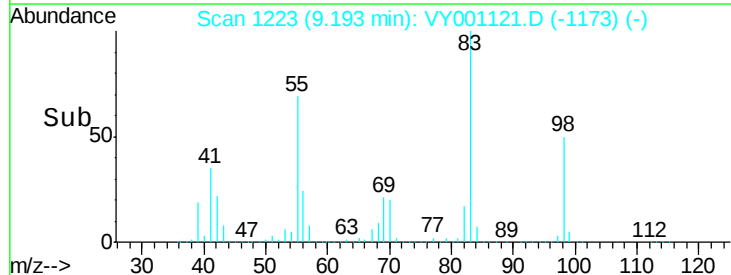
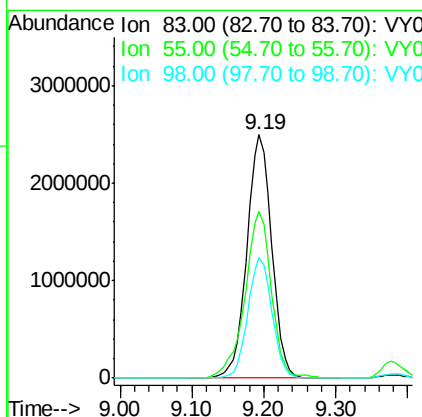
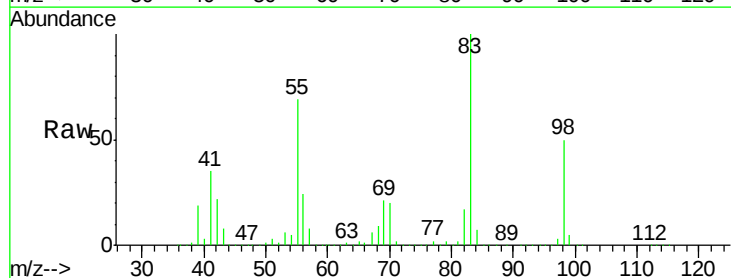
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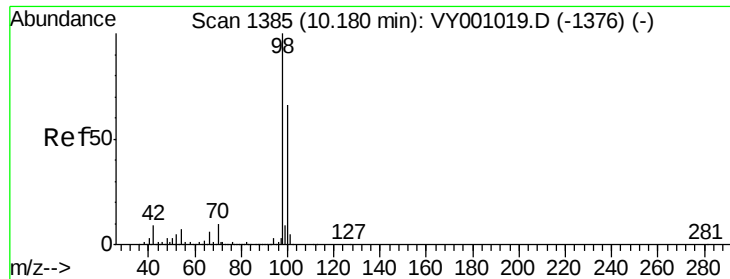
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#39
Methylcyclohexane
Concen: 1074.170 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. 0.01 min
Lab File: VY001121.D
Acq: 30 Dec 2019 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	5977542		
55	68.7	55.1	82.7	
98	49.8	38.3	57.5	





#50

Toluene-d8

Concen: 138.249 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.01 min

Lab File: VY001121.D

Acq: 30 Dec 2019 13:33

Instrument :

MSVOA_Y

ClientSampled :

K500-1

Tot Ion: 98 Resp: 1397471

Ion Ratio Lower Upper

98 100

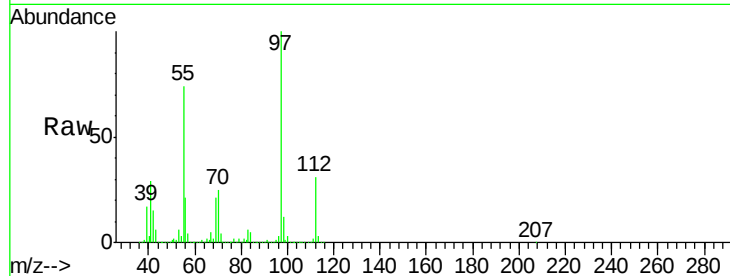
100 15.8 53.0 79.4#

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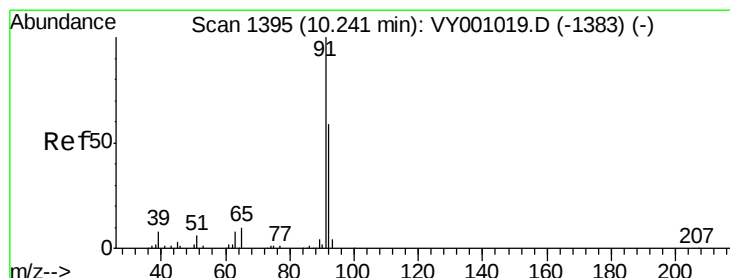
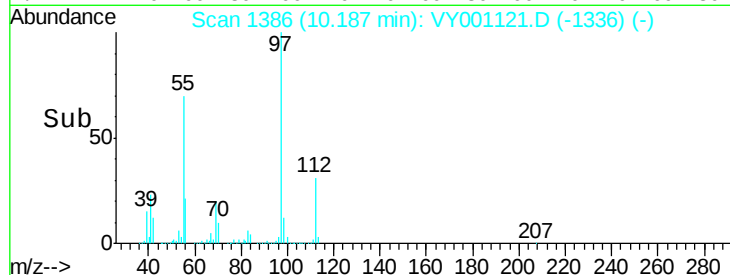
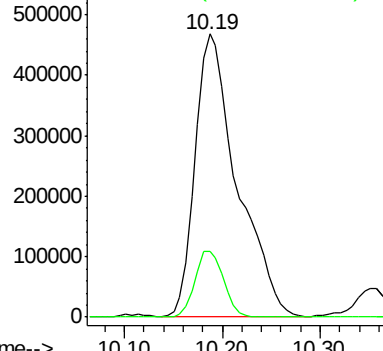
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Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



#52

Toluene

Concen: 104.648 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY001121.D

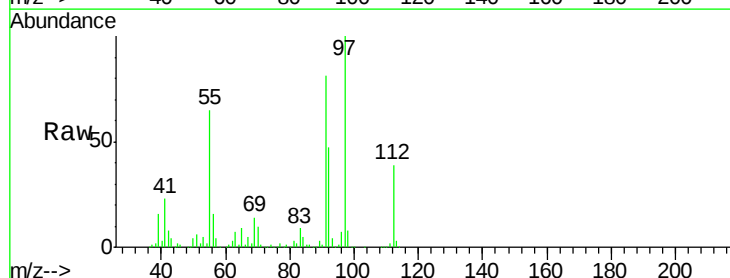
Acq: 30 Dec 2019 13:33

Tgt Ion: 92 Resp: 814277

Ion Ratio Lower Upper

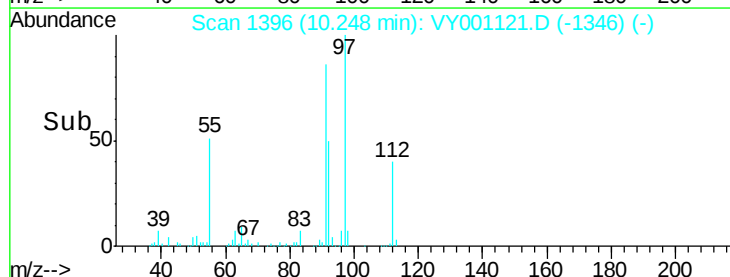
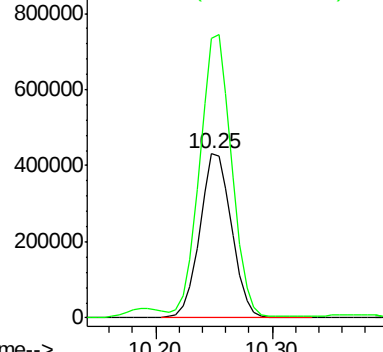
92 100

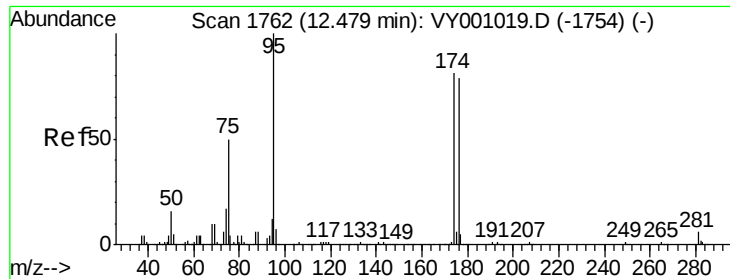
91 172.8 135.7 203.5



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





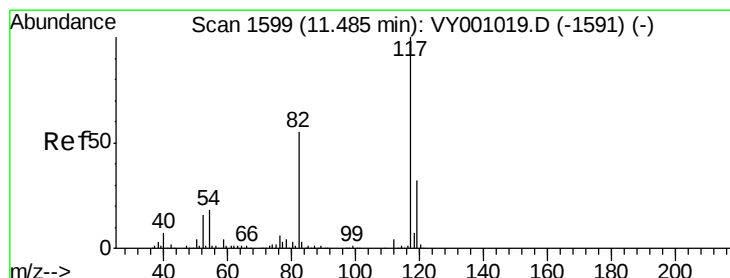
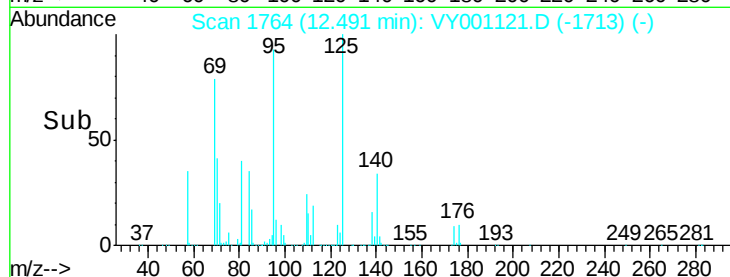
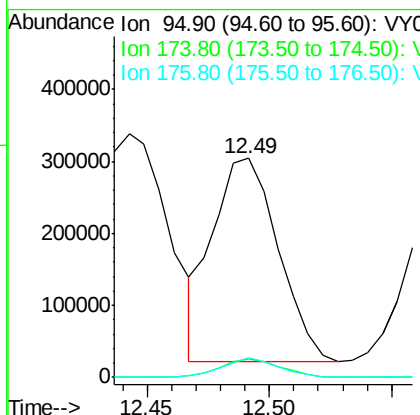
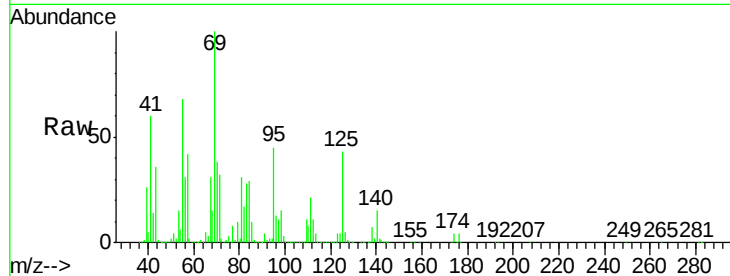
#62
4-Bromofluorobenzene
Concen: 143.160 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001121.D
Acq: 30 Dec 2019 13:33

Instrument :
MSVOA_Y
ClientSampled :
K500-1

Tot Ion	Ratio	Resp	Lower	Upper
95	100	529090		
174	8.3	0.0	156.4	
176	8.1	0.0	155.0	

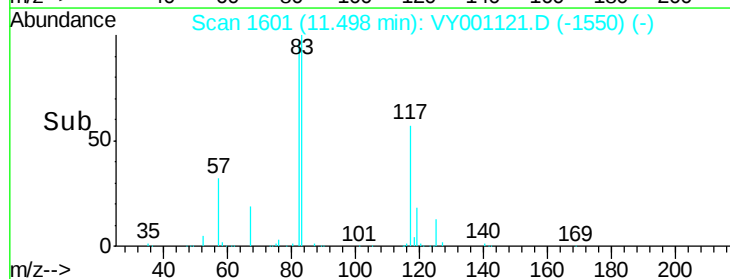
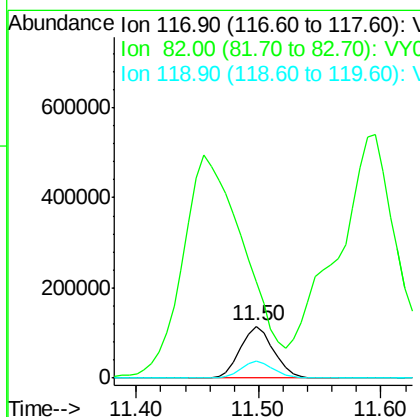
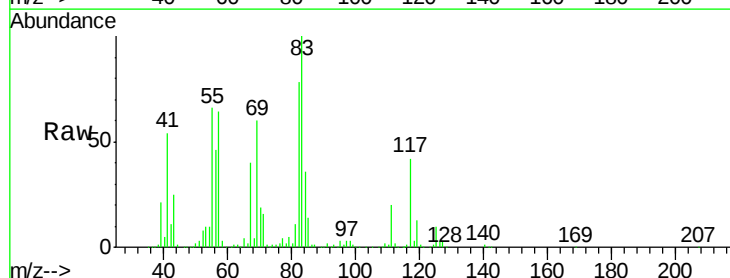
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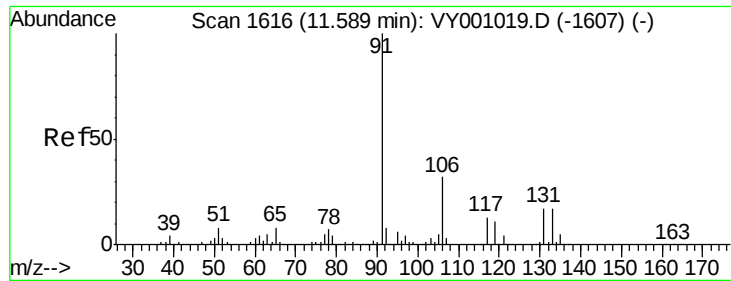
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY001121.D
Acq: 30 Dec 2019 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	217389		
82	0.0	43.8	65.8#	
119	32.1	25.8	38.6	





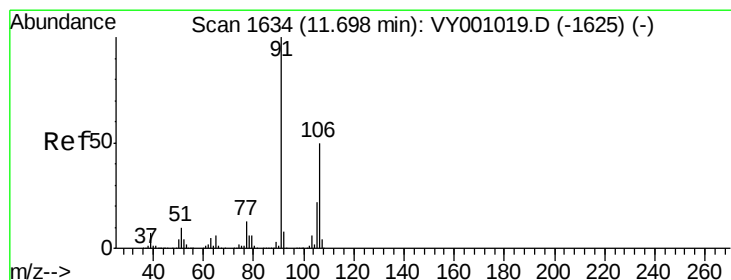
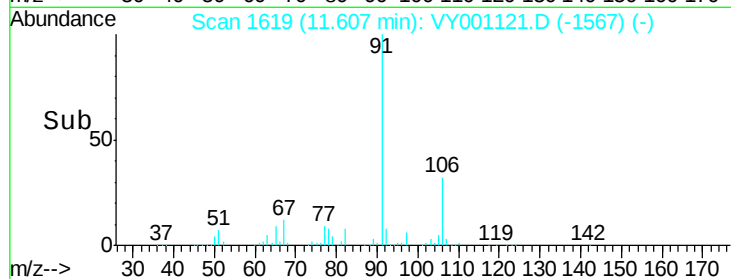
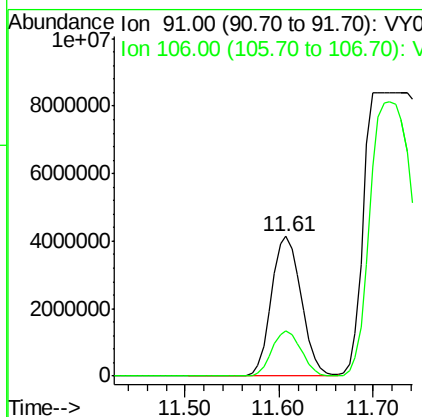
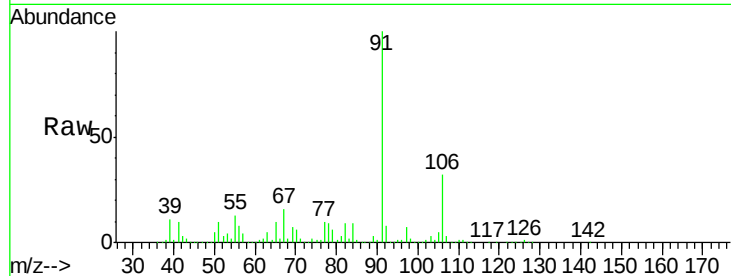
#67
Ethyl Benzene
Concen: 1129.854 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.02 min
Lab File: VY001121.D
Acq: 30 Dec 2019 13:33

Instrument :
MSVOA_Y
ClientSampleId :
K500-1

Tot Ion: 91 Resp: 9164001
Ion Ratio Lower Upper
91 100
106 32.1 25.3 37.9

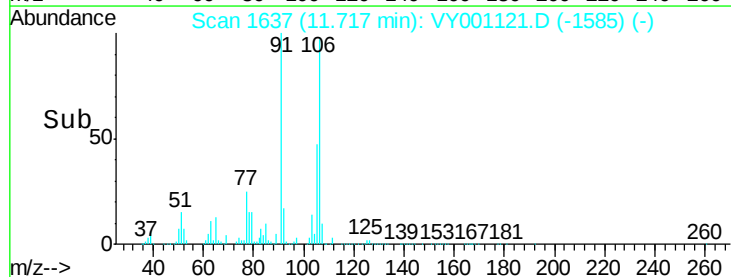
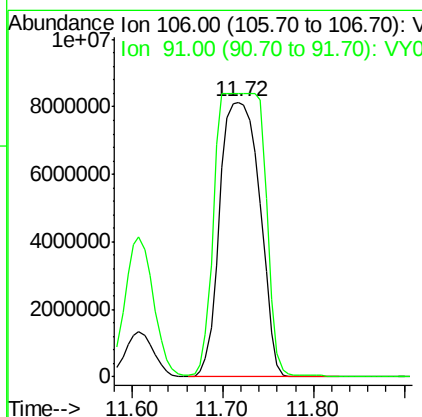
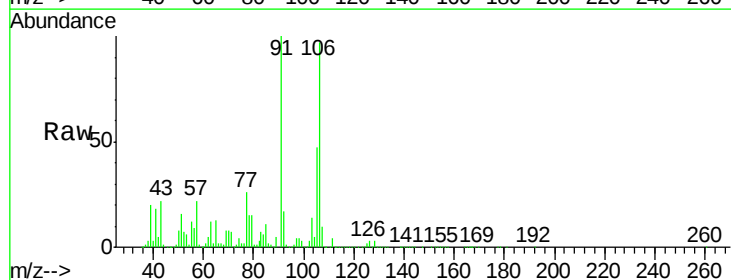
Manual Integrations
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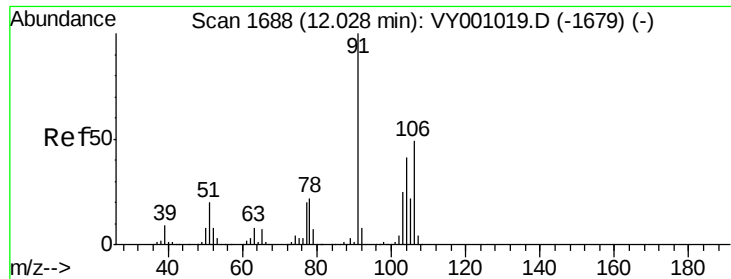
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#68
m/p-Xylenes
Concen: 8078.640 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.02 min
Lab File: VY001121.D
Acq: 30 Dec 2019 13:33

Tgt Ion: 106 Resp: 24879256
Ion Ratio Lower Upper
106 100
91 0.0 156.4 234.6#





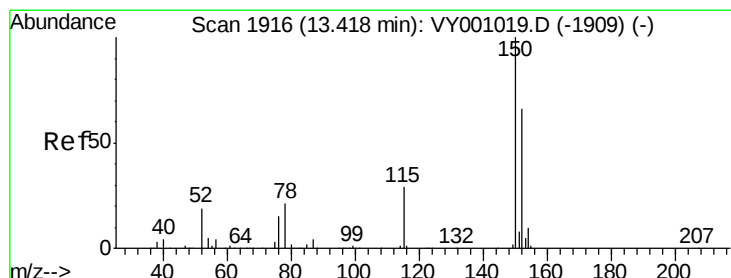
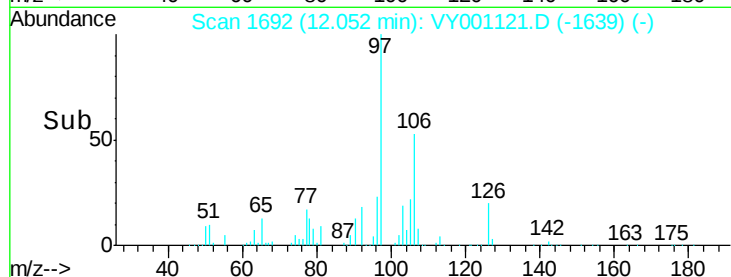
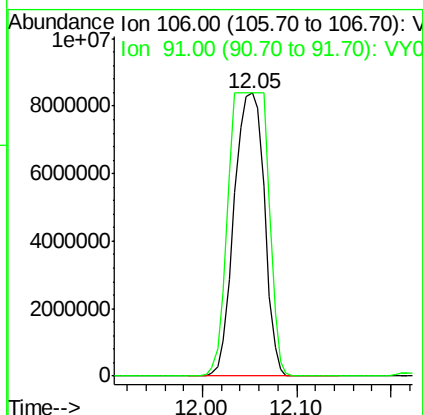
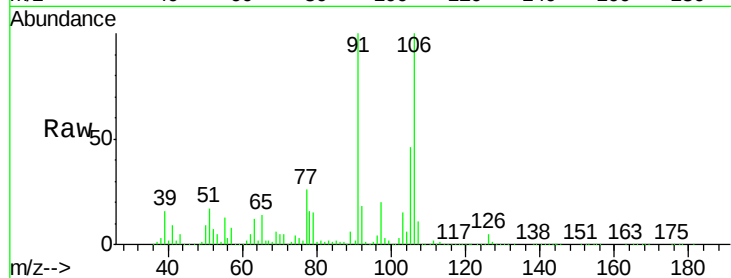
#69
o-Xylene
Concen: 6406.737 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.02 min
Lab File: VY001121.D
Acq: 30 Dec 2019 13:33

Instrument :
MSVOA_Y
ClientSampleId :
K500-1

Tot Ion:106 Resp:18561759
Ion Ratio Lower Upper
106 100
91 0.0 103.0 309.0#

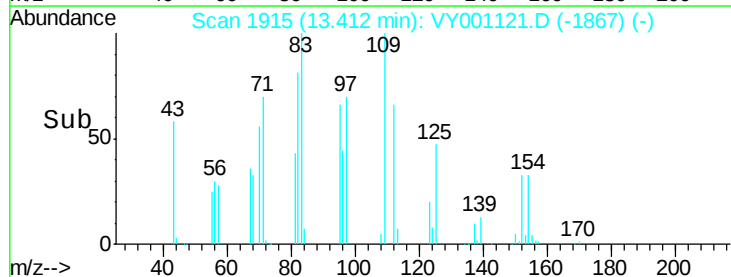
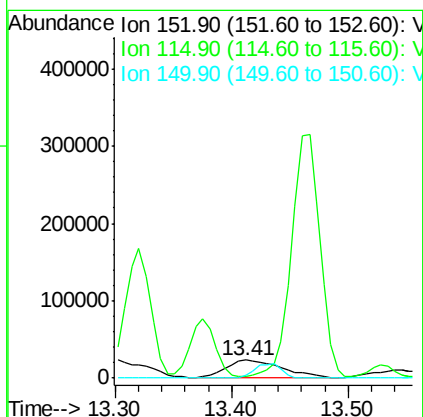
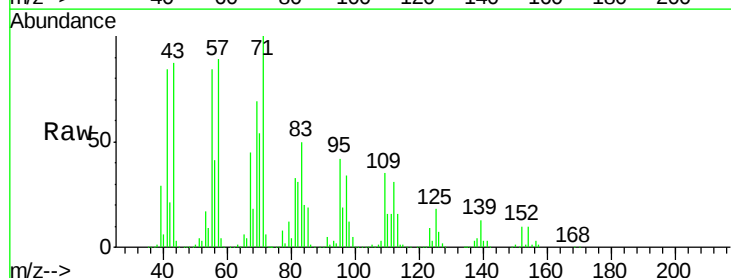
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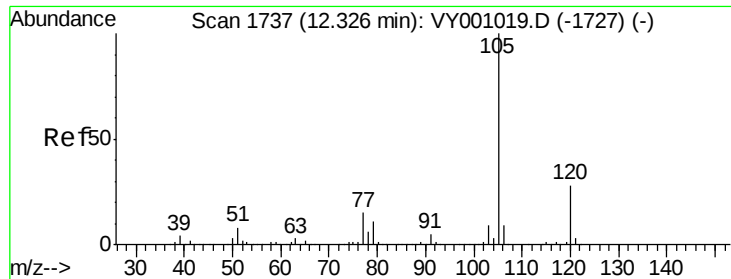
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.41 min Scan# 1915
Delta R.T. -0.01 min
Lab File: VY001121.D
Acq: 30 Dec 2019 13:33

Tgt Ion:152 Resp: 74575
Ion Ratio Lower Upper
152 100
115 0.0 29.8 89.3#
150 0.0 0.0 352.6





#73

Isopropylbenzene

Concen: 625.561 ug/l

RT: 12.35 min Scan# 1740

Delta R.T. 0.02 min

Lab File: VY001121.D

Acq: 30 Dec 2019 13:33

Instrument :

MSVOA_Y

ClientSampled :

K500-1

Tot Ion:105 Resp: 3610085

Ion Ratio Lower Upper

105 100

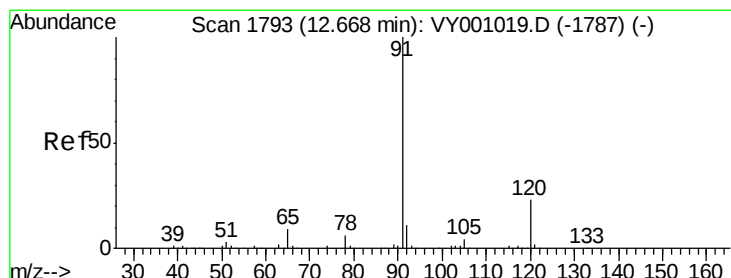
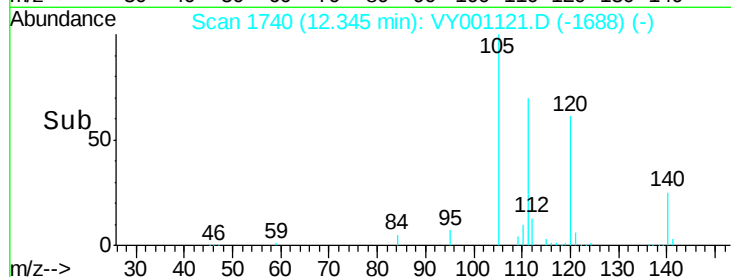
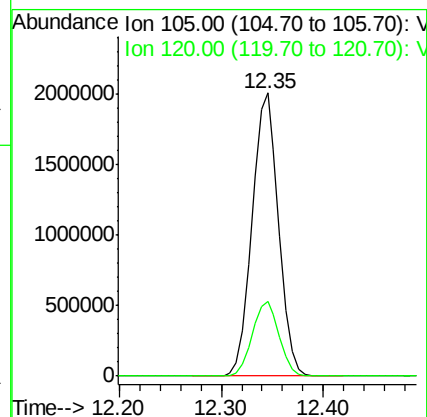
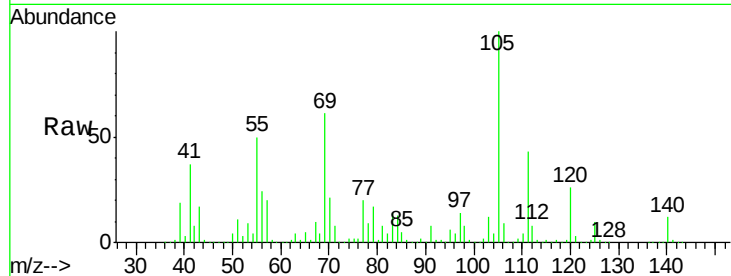
120 26.6 13.4 40.2

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#78

n-propylbenzene

Concen: 1201.202 ug/l

RT: 12.69 min Scan# 1796

Delta R.T. 0.02 min

Lab File: VY001121.D

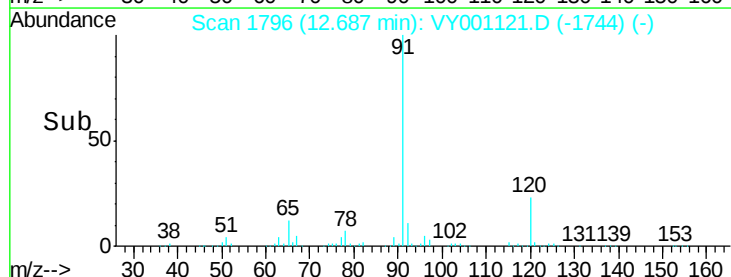
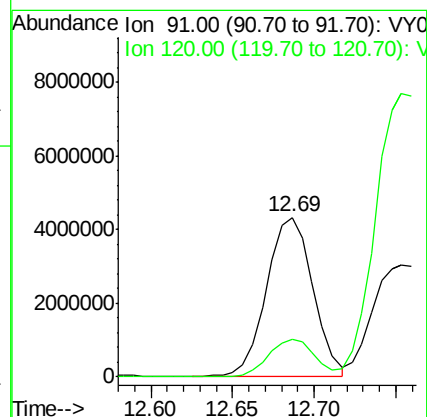
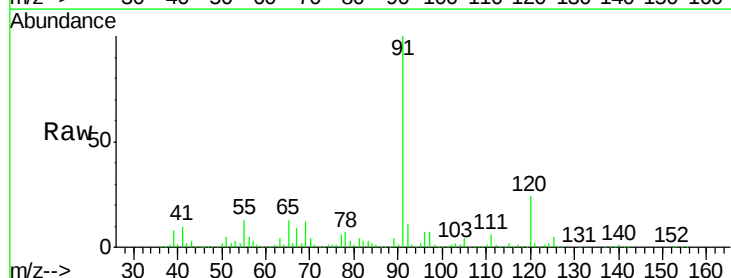
Acq: 30 Dec 2019 13:33

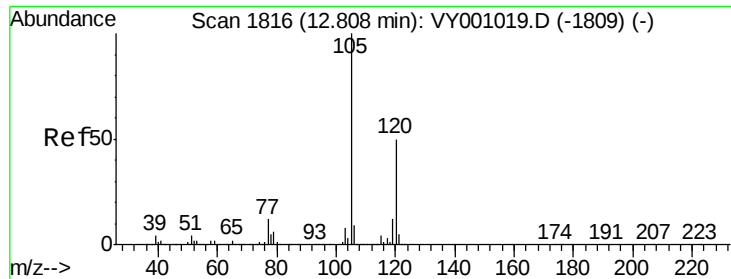
Tgt Ion: 91 Resp: 8446747

Ion Ratio Lower Upper

91 100

120 23.9 11.4 34.2





#80

1,3,5-Trimethylbenzene

Concen: 3372.807 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.02 min

Lab File: VY001121.D

Acq: 30 Dec 2019 13:33

Instrument :

MSVOA_Y

ClientSampled :

K500-1

Tot Ion:105 Resp:15954780

Ion Ratio Lower Upper

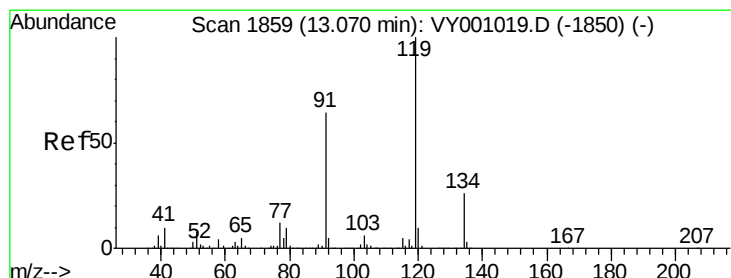
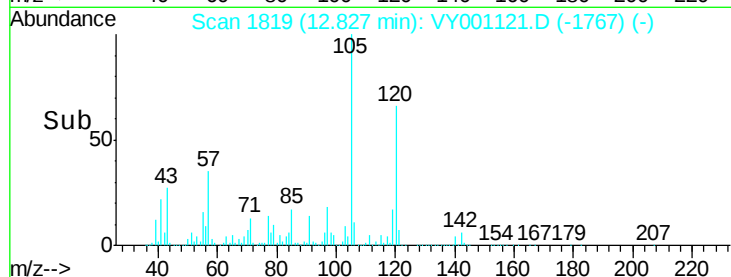
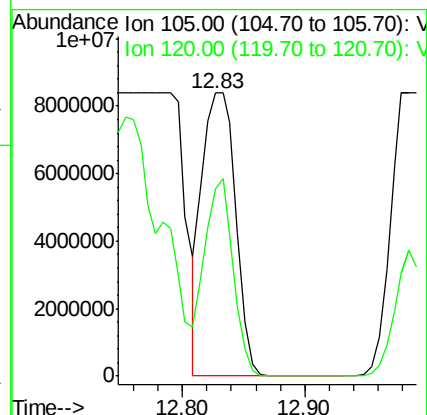
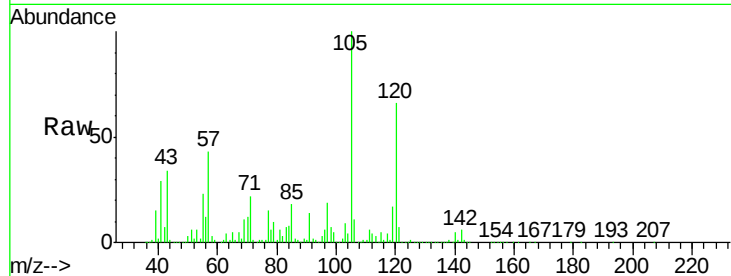
105 100

120 59.4 25.1 75.4

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#83

tert-Butylbenzene

Concen: 23.520 ug/l m

RT: 13.09 min Scan# 1862

Delta R.T. 0.02 min

Lab File: VY001121.D

Acq: 30 Dec 2019 13:33

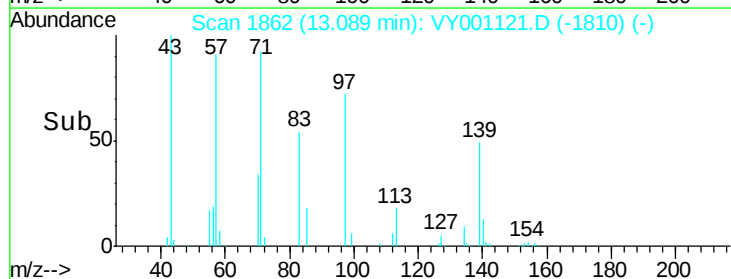
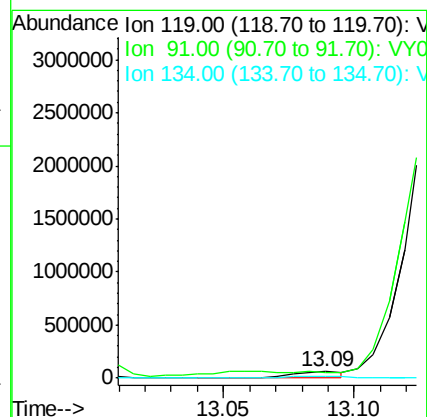
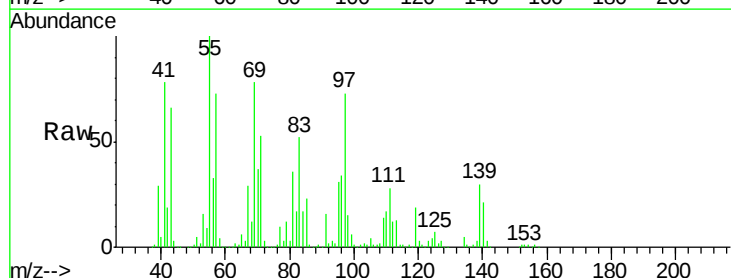
Tgt Ion:119 Resp: 93395

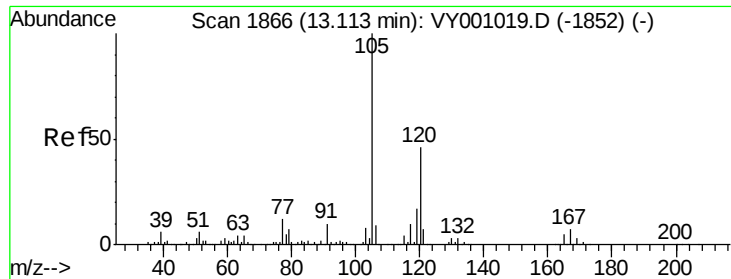
Ion Ratio Lower Upper

119 100

91 5925.1 31.9 95.7#

134 0.0 13.6 40.7#





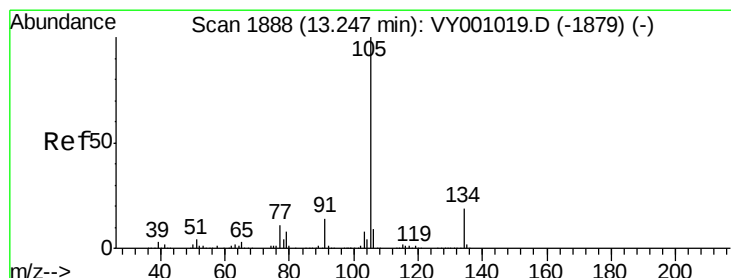
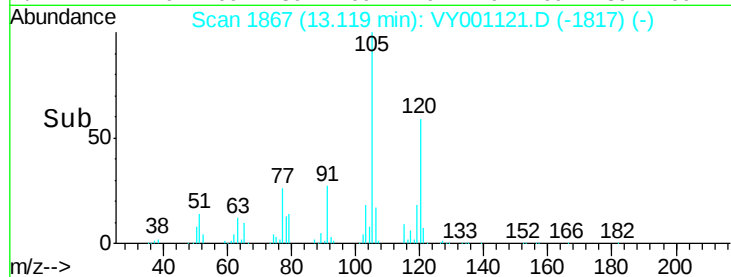
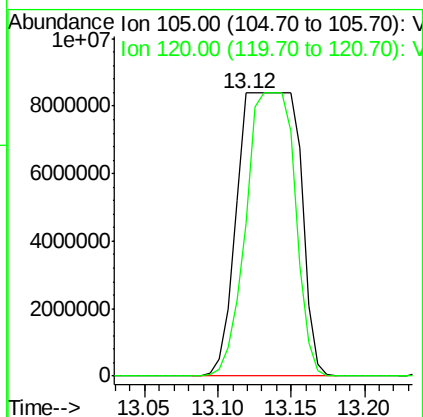
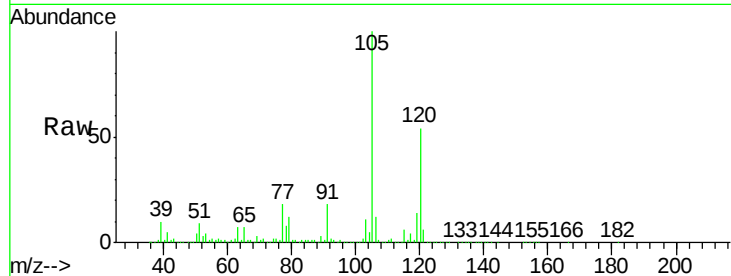
#84
1,2,4-Trimethylbenzene
Concen: 5185.903 ug/l m
RT: 13.12 min Scan# 1867
Delta R.T. 0.01 min
Lab File: VY001121.D
Acq: 30 Dec 2019 13:33

Instrument :
MSVOA_Y
ClientSampleId :
K500-1

Tot Ion:105 Resp:24651332
Ion Ratio Lower Upper
105 100
120 25.0 23.4 70.2

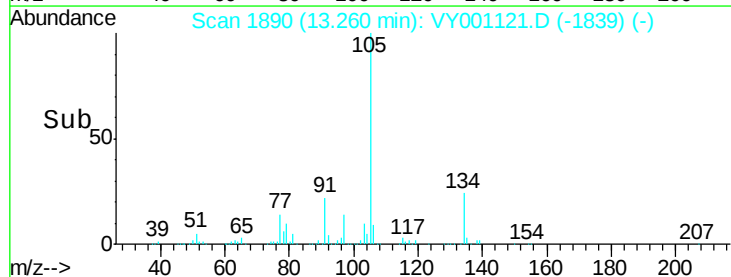
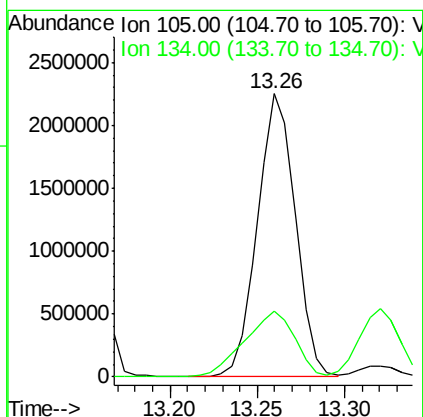
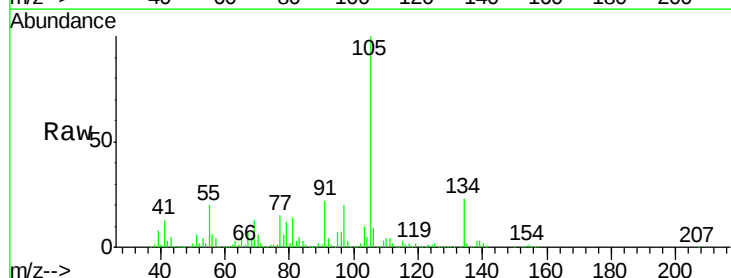
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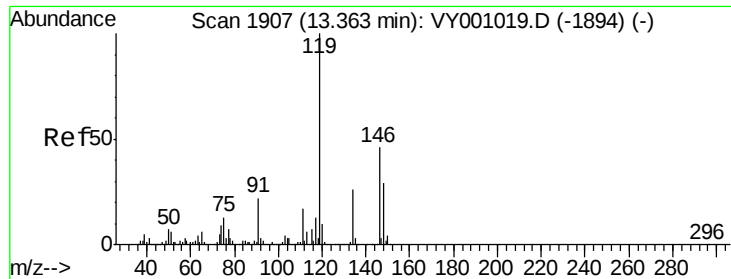
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#85
sec-Butylbenzene
Concen: 576.140 ug/l
RT: 13.26 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VY001121.D
Acq: 30 Dec 2019 13:33

Tgt Ion:105 Resp: 3372710
Ion Ratio Lower Upper
105 100
134 31.1 10.0 30.0#





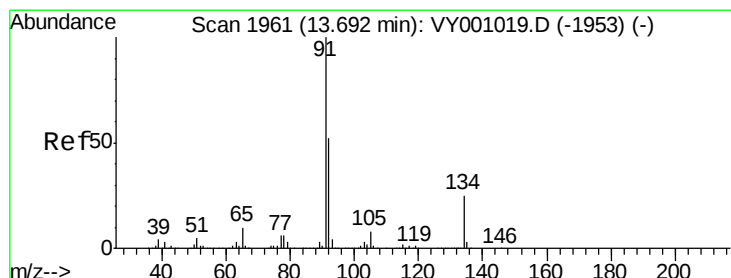
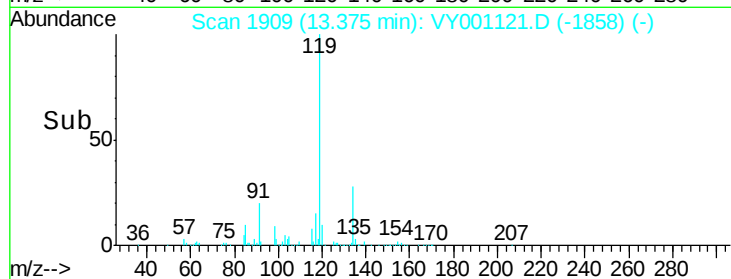
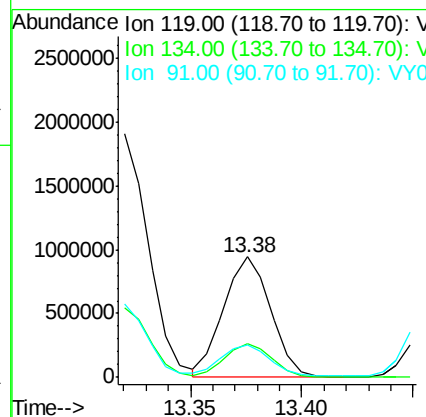
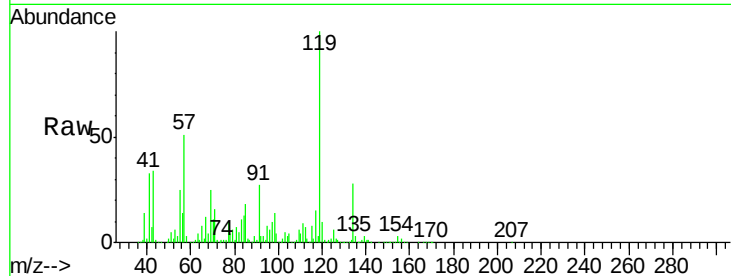
#86
p-Isopropyltoluene
Concen: 274.073 ug/l
RT: 13.38 min Scan# 1909
Delta R.T. 0.01 min
Lab File: VY001121.D
Acq: 30 Dec 2019 13:33

Instrument :
MSVOA_Y
ClientSampled :
K500-1

Tot Ion: 119 Resp: 1388284
Ion Ratio Lower Upper
119 100
134 27.8 13.6 40.7
91 25.9 11.4 34.1

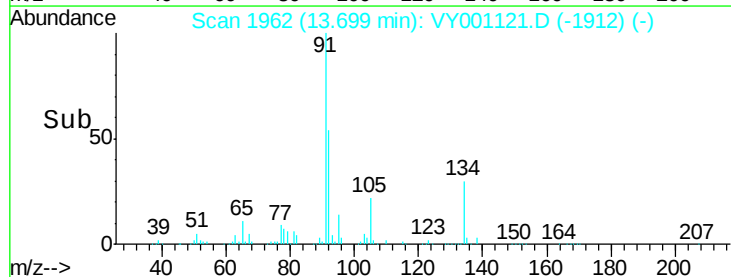
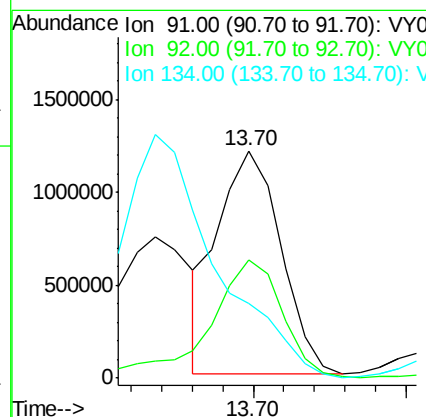
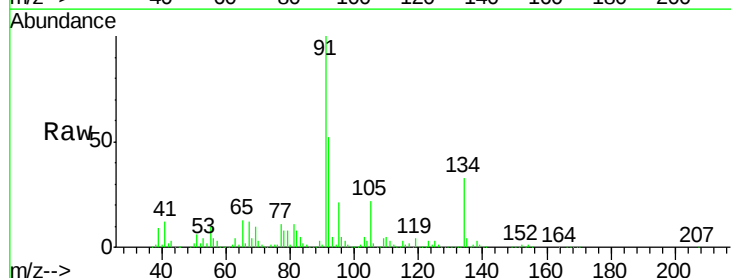
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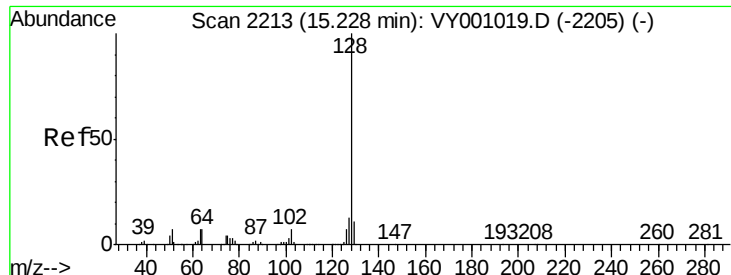
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#89
n-Butylbenzene
Concen: 337.598 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY001121.D
Acq: 30 Dec 2019 13:33

Tgt Ion: 91 Resp: 1720506
Ion Ratio Lower Upper
91 100
92 59.2 26.9 80.7
134 0.0 12.7 38.0#





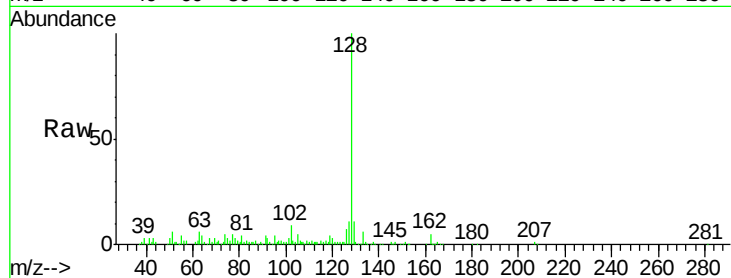
#95
Naphthalene
Concen: 34.411 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VY001121.D
Acq: 30 Dec 2019 13:33

Instrument :
MSVOA_Y
ClientSampleId :
K500-1

Tot Ion:	128	Resp:	125603
Ion Ratio	Lower	Upper	
128	100		
127	12.4	9.9	14.9
129	11.4	8.6	13.0

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

